

**A MEDIUM COMPOSITION, METHOD AND DEVICE FOR SELECTIVELY
ENHANCING THE ISOLATION OF ANAEROBIC MICROORGANISMS
CONTAINED IN A MIXED SAMPLE WITH FACULTATIVE MICROORGANISMS**

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Abstract of the Invention

The present invention is directed to a medium, broth or agar, and a method of utilizing the same, in order to isolate and/or identify anaerobes from a mixed sample that contains facultative microorganisms. The medium contains an inhibitor of the electron transport system, such as a salt of azide (N₃⁻), cyanide (CN⁻) or related compounds. These inhibitors are present in an amount sufficient to limit the growth of facultative microorganisms under anaerobic conditions while not inhibiting the growth of the anaerobe microorganisms. Preferably, the inhibitor is present in the amount of from about 0.1 mg/ml to about 1.0 mg/ml in broth medium, and from about 0.01 mg/ml to 1.0 mg/ml in agar medium.

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